

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/929,821		08/14/2001	I-Fan Wang	USFFIL.121A	8832
20995	7590	06/03/2004		EXAMINER	
KNOBBE 2040 MAIN		ENS OLSON & 1	MENON, KRISHNAN S		
FOURTEE	. – – – – –	=	ART UNIT	PAPER NUMBER	
IRVINE, C	CA 9261	4	1723		
				DATE MAILED: 06/03/200-	1

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Examiner-Initiated Interview Summary	09/929,821	WANG ET AL.
Lanimer-invaled interview Summary	Examiner	Art Unit
	Krishnan S Menon	1723
All Participants:	Status of Application:	
(1) Krishnan S Menon.	(3) <u>Dale Hunt</u> .	
(2) Wanda Walker.	(4) Rose Thiessen.	
Date of Interview: 27 May 2004	Time: <u>2PM</u>	
Type of Interview: ☐ Telephonic ☐ Video Conference ☐ Personal (Copy given to: ☐ Applicant ☐ Applicant Exhibit Shown or Demonstrated: ☐ Yes ☐ No If Yes, provide a brief description:	int's representative)	
Part I.		
Rejection(s) discussed:		
Claims discussed: Prior art documents discussed:		
Part II.		
SUBSTANCE OF INTERVIEW DESCRIBING THE GENER attached	RAL NATURE OF WHAT WAS	DISCUSSED:
Part III.		
 It is not necessary for applicant to provide a separate redirectly resulted in the allowance of the application. The of the interview in the Notice of Allowability. It is not necessary for applicant to provide a separate redid not result in resolution of all issues. A brief summary 	examiner will provide a writte ecord of the substance of the	en summary of the substance
Examiner/SPE Signature) (Applicant/	Applicant's Representative Sig	nature – if appropriate)

M

Application/Control Number: 09/929,821

Art Unit: 1723

Attachment to the Interview Summary

This interview was to discuss some discrepancies noticed in the applicants' affidavit filed 2/17/04.

Applicants used the formulation given by example 1 of the Wang'899 reference, in which polysulfone was substituted by cellulose acetates, to make a cellulosic membrane to demonstrate that the Wang'899 reference was not enabling to make cellulosic membranes without macrovoids. By this affidavit, applicants intended to overcome the rejection of the pending claims by the Wang'899 reference. On review of the reference with respect to the specification of the pending application, it was found that the formulation used in the affidavit fell very much within the ranges of components and compositions disclosed by the application, as shown in the table below:

Applicants' affidavit	Applicants' Specification discloses (p 9-11)
65.9% N-methyl pyrrolidone	30-80% as solvent
4.3% polyvinyl pyrrolidone	0.1 – 10% as 'surface porosity agent'
1.8% water and 19% polyethylene glyc	ol 5-55%, alone or mixed, as non-solvents
rest cellulosic polymers	3-20%, as membrane polymer.
	(see examples 3 and 4 also)

In response, applicants requested time to for another interview after further reviewing the application and the affidavit to take into account process parameters not listed in the affidavit, which could have contributed to the formation of macrovoids.

Application/Control Number: 09/929,821

Art Unit: 1723

Page 3

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krishnan S Menon whose telephone number is 571-272-1143. The examiner can normally be reached on 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wanda L Walker can be reached on 571-272-1151. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Krishnan Menon Patent Examiner

W. L. WALKER
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1700